

Notice of Allowability

Application No.

10/707,903

Examiner

Farhan M. Syed

Applicant(s)

JAS, FRANK A.

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 20 February 2007r.
2. ☒ The allowed claim(s) is/are 13-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


JEFFREY GAFFIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

1. Claims 13-24 are pending.
2. The Examiner acknowledges the cancellation of claims 1-12 in the Applicant's Remarks/Arguments filed 20 February 2007.
3. Applicant's amendments and arguments filed 20 February 2007 have been fully considered and they are deemed to be persuasive.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Mark White (Reg. No. 37,757) on 10 May 2007.

The application has been amended as follows:

13. (Currently Amended) A computer-based software method for creating and modifying a nested data base executed upon a processor with executable instructions, comprising the steps of:

(a) creating a multiplicity of component packets, each of which is further associated with a key and is indexed by a keyed search structure, each such component packet further comprising one or more components, wherein the components further comprise:

Art Unit: 2165

- (i) a plurality of component data records, wherein each component data record further comprises an entry point of the keyed search structure;
- (ii) a plurality of component description records arranged in an array, each component description record further comprising a component identifier which is unique within the component packet's component description records, and which further comprises:
 - (ii1) a size field;
 - (ii2) a logical block number field;
 - (ii3) a component packet offset; and
 - (ii4) a header record, which further comprises a total size field and a number of components field;
- (b) transferring one or more of the component data records from an applications program to the database;
- (c) transferring one or more of the component data records from the database to the applications program;
- (d) adding a new component;
- (e) modifying an existing component by changing the component data record without changing component size;
- (f) modifying an existing component by increasing or decreasing its size; and
- (g) deleting an existing component packet.

Allowable Subject Matter

5. Claims 13-24 have been renumbered as claims 1-12 are allowed over the prior art of record.

Reason for Allowance

6. The following is an examiner's statement for reasons for allowance: The closest prior art of record (Gioelli et al., U.S. Patent No. 6,485,610) does not disclose, teach, or suggest the claimed limitations of (in combination with all other features in this claim), a computer-based software method for creating and modifying a nested data base executed upon a processor with executable instructions, comprising the steps of: (a) creating a multiplicity of component packets, each of which is further associated with a key and is indexed by a keyed search structure, each such component packet further comprising one or more components, wherein the components further comprise: (i) a plurality of component data records, wherein each component data record further comprises an entry point of the keyed search structure; (ii) a plurality of component description records arranged in an array, each component description record further comprising a component identifier which is unique within the component packet's component description records, and which further comprises: (ii1) a size field; (ii2) a logical block number field; (ii3) a component packet offset; and (ii4) a header record, which further comprises a total size field and a number of components field; (b) transferring one or more of the component data records from an applications program to the database; (c) transferring one or more of the component data records

Art Unit: 2165

from the database to the applications program; (d) adding a new component; (e) modifying an existing component by changing the component data record without changing component size; (f) modifying an existing component by increasing or decreasing its size; and (g) deleting an existing component packet.

The dependent claims, being further limiting to the independent claims, definite and enabled by the specification are also allowed.

Any comment considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statements of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Farhan M. Syed whose telephone number is 571-272-7191. The examiner can normally be reached on 8:30AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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